

Title (en)

Absorbable composite materials for use in the treatment of periodontal disease

Title (de)

Absorbierbare Verbundstoffe zur Verwendung in der Behandlung von Wurzelhauterkrankungen des Zahns

Title (fr)

Matériaux composites absorbables pour utilisation pour le traitement des périodontoses

Publication

EP 0636378 B1 20010919 (EN)

Application

EP 94305537 A 19940727

Priority

- GB 9315614 A 19930728
- US 28091694 A 19940727

Abstract (en)

[origin: EP0636378A1] Absorbable composite materials are described that comprise a collagen matrix reinforced with a layer of a bioabsorbable polymer. A chemotherapeutic agent is dispersed in the composite material. The layer of bioabsorbable polymer is preferably a woven, nonwoven or knitted mesh layer of a synthetic bioabsorbable polymer such as polylactic/polyglycolic acid copolymer, or oxidised regenerated cellulose. The chemotherapeutic agent may be an antibiotic, an anaesthetic, an antiseptic or an anti-inflammatory. Strips of the composite material are inserted into the periodontal pocket, where they are retained in place and provide effective sustained release of the chemotherapeutic agent over an extended period.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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C-Set (source: EP US)

1. **A61L 27/48** + **A61L 27/58** + **A61L 27/54** + **A61L 27/50** + **C08L 89/06** + **C08L 67/04** + **C08L 1/00**
2. **A61L 31/129** + **A61L 31/148** + **A61L 31/16** + **A61L 31/14** + **C08L 89/06** + **C08L 67/04** + **C08L 1/00**
3. **A61L 31/129** + **A61L 31/148** + **A61L 31/16** + **C08L 89/06** + **C08L 67/04** + **C08L 1/04** + **C08L 1/02**
4. **A61L 27/48** + **C08L 89/06**
5. **A61L 31/129** + **C08L 89/06**

Cited by

EP1325753A3; EP1462123A1; EP0922435A4; EP0737703A3; AU2019222950B2; DE10350654A1; GB2399289A; GB2399289B; US7019191B2; US7252837B2; WO03099263A1; WO2004050133A3; US6413539B1; US10016534B2; US7666803B2; US7749204B2; US7662409B2; US11890371B2; US8709463B2; US9999705B2; US10493016B2; WO0202085A3; US7279177B2; US7988997B2; US8313769B2

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